What is claimed is:

1. A method for recovering an application from a runtime fault, the method comprising steps of:

receiving an exception caused due to a runtime fault in a thread; dispatching the exception to an exception handler;

trapping the exception before the exception reaches the exception handler when the exception handler is a top level exception handler which terminates the application; and

continuing execution of the application.

- 2. The method recited in claim 1 further comprising a step of terminating the thread that caused the exception.
- 3. The method recited in claim 1, wherein the dispatching step comprises steps of:

determining a corresponding exception handler to which the exception is to be dispatched;

dispatching the exception to the corresponding exception handler when the corresponding exception handler exists; and

dispatching the exception to a top level dispatcher is the corresponding exception handler when no corresponding exception handler exists.

- 4. The method recited in claim 1 further comprising a step of despatching the trapped exception to a trapped exception handler.
- 5. The method recited in claim 4 further comprising a step of terminating the thread when the trapped exception handler is not capable of resolving the trapped exception.
- 6. The method recited in claim 5, wherein the continuing step allows continuing execution of the application after the thread is terminated.

7. The method recited in claim 1 further comprising steps of:

translating the trapped exception into an exception which is able to be resolved by a lower level exception handler, and

determining if there is a lower level exception handler which is capable of resolving the translated exception.

- 8. The method recited in claim 7 further comprising a step of terminating the thread that caused the exception when there is no lower level exception which is capable of resolving the translated exception.
- 9. The method recited in claim 2 further comprising a step of logging sate information representing the state that the application was in before occurrence of the exception caused the termination of the thread.
- 10. The method recited in claim 9 further comprising a step of forwarding the logged information to a remote database over a computer network.
- 11. The method recited in claim 10 further comprising steps of: receiving a recommendation from the remote database; and informing the recommendation to the user.
- 12. The method recited in claim 9 further comprising a step of forwarding a bug report to a bug report centre over a computer network.
- 13. A method for recovering an application from a runtime fault in a thread, the application being executed under an operating system having one or more low level exception handlers and a top level exception handler, the method comprising steps of:

trapping an exception which is despatched to the top level exception handler before the exception reaches the top level exception handler, a default action of which is to terminate the application upon receipt of exceptions; and

continuing execution of the application.

14. The method recited in claim 13 further comprising steps of:

translating the trapped exception into an exception which is able to be resolved by a lower level exception handler, and

determining if there is a lower level exception handler which is capable of resolving the translated exception.

- 15. The method recited in claim 14 further comprising a step of terminating the thread that caused the exception when there is no lower level exception which is capable of resolving the translated exception.
- 16. The method recited in claim 13 further comprising a step of terminating the thread that caused the exception.
- 17. The method recited in claim 16 further comprising a step of logging sate information representing the state that the application was in before occurrence of the exception caused the termination of the thread.
- 18. The method recited in claim 17 further comprising a step of forwarding the logged information to a remote database over a computer network.
- 19. The method recited in claim 18 further comprising steps of: receiving a recommendation from the remote database; and informing the recommendation to the user.
- 20. The method recited in claim 17 further comprising a step of forwarding a bug report to a bug report centre over a computer network.
- 21. An application recovery system for recovering an application from a runtime fault, the application recovery system comprising:

an exception dispatcher for receiving an exception caused due to a runtime fault in a thread and dispatching the exception to an exception handler;

an exception trapper for trapping the exception before the exception causes termination of the application; and

an executor for continuing execution of the application.

- 22. The application recovery system as claimed in claim 21, wherein the exception trapper has a thread terminator for terminating the thread that caused the exception.
- 23. The application recover system as claimed in claim 21, wherein the exception trapper is provided in place of a top level exception handler which terminates the application.
- 24. An application recovery system for recovering an application from a runtime fault caused in a thread, the application running under an operating system having an exception dispatcher, one or more low level exception handlers and a top level exception handler which terminates the application, the application recovery system comprising:

an exception trapper placed between the exception dispatcher and the top level exception handler for trapping an exception before the exception reaches the top level exception handler; and

a trapped exception handler for handling the trapped exception.

- 25. The application recovery system recited in claim 24, wherein the trapped exception handler comprises a thread terminator for terminating the thread when there is no lower level exception handler that is capable of handling the translated exception.
- 26. The application recovery system recited in claim 24, wherein the trapped exception handler comprises:

an exception translator for translating the trapped exception to a translated exception; and

an exception handler selector for determining if a lower level exception handler is capable of resolving the translated exception.

- 27. The application recovery system recited in claim 26, wherein the trapped exception handler further comprises a thread terminator for terminating the thread when there is no lower level exception handler that is capable of handling the translated exception.
- 28. The application recovery system recited in claim 27, wherein the trapped exception handler further comprises a state restorer for restoring the state that the application was in before the fault occurred to continue the execution of the application.
- 29. The application recovery system recited in claim 24 further comprising a state information logger for logging information of the state that the application was in before the fault occurred.
- 30. The application recovery system recited in claim 29 further comprising a query generator for generating a query including the state information to query a recommendation from a remote database over a computer network.
- 31. The application recovery system as claimed in claim 30 further comprising a user advisor for receiving a recommendation from the remote database and informing the user of the recommendation.
- 32. The application recovery system as claimed in claim 30 wherein the query generator has a bug report generator for forwarding a bug report with the state information to a bug report centre.
- 33. A computer readable memory element storing the instructions or statements for use in the execution in a computer of a method for recovering an application from a runtime fault, the method comprising steps of:

receiving an exception caused due to a runtime fault in a thread; dispatching the exception to an exception handler;

trapping the exception before the exception reaches the exception handler when the exception handler is a top level exception handler which terminates the application; and

continuing execution of the application.

34. Electronic signals for use in the execution in a computer of a method for recovering an application from a runtime fault, the method comprising steps of:

receiving an exception caused due to a runtime fault in a thread;

dispatching the exception to an exception handler;

trapping the exception before the exception reaches the exception handler when the exception handler is a top level exception handler which terminates the application; and

continuing execution of the application.